



EOG Resources, Inc.  
600 Seventeenth Street  
Suite 1000N  
Denver, CO 80202  
Main: 303-572-9000  
Fax: 303-824-5400

February 8, 2019

Claudia Smith  
Tribal NSR and PSD Permits Lead  
U.S. EPA, Region 8  
1595 Wynkoop Street, 8P-AR  
Denver, Colorado 80202-1129

Re: Part 1 Air Permit Registration  
Fort Berthold Indian Reservation, McKenzie County, ND  
Riverview 30 NWNW 1 PAD (Riverview 004-3031H & 100-3031H existing wells - TAT-000233-2013.001, add Riverview 21-3032H, 22-3031H, 23-3031H, 24-3031H, 25-3031H & 26-3031H wells)

EOG Resources, Inc. (EOG) is submitting an air permit Registration application for a modification to our oil and gas exploration and production (E&P) facility located on the Ft. Berthold Indian Reservation. This registration application was prepared to meet the requirements of the U.S. Environmental Protection Agency (EPA) for new and modified minor sources located in Indian country and the requirements of the Oil and Natural Gas Federal Implementation Program (FIP) for Indian Country (40 CFR Part 49) issued June 3, 2016. The Riverview 004-3031H & 100-3031H facility was registered on January 17, 2013 under TAT-000233-2013.001. This Part 1 registration is being submitted to account for the proposed addition of six (6) new wells to the facility consisting of the following wells: Riverview 21-3032H, 22-3031H, 23-3031H, 24-3031H, 25-3031H & 26-3031H wells.

We trust the attached permit application package will meet your expectations and that you will not hesitate to call me at (303) 262-9915 or Mark Smith at (307) 823-6208 if you have any questions or need additional information. We appreciate your prompt attention to this most important project.

Sincerely,

A handwritten signature in black ink, appearing to read "Mathew Oliver".

Mathew Oliver  
Environmental Manager  
EOG Environmental - Denver Division

Cc: smith.claudia@epa.gov, r8airpermitting@epa.gov, schwartz.colin@epa.gov

**energy opportunity growth**

ED\_004016P\_00013051-00001

## **Part One: Oil & Gas Production Facility Registration**

Riverview 004-3031H & 100-3031H - TAT-000233-  
2013.001

(Facility will be known as Riverview 30 NWNW 1 PAD with the addition of six (6) new wells: Riverview 21-3032H, 22-3031H, 23-3031H, 24-3031H, 25-3031H & 26-3031H wells)

McKenzie County, North Dakota

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## **1. Introduction**

EOG Resources, Inc. (EOG) has prepared an air registration application to modify the existing Riverview 004-3031H & 100-3031H facility (TAT-000233-2013.001) with the addition of six (6) new wells to the facility consisting of the following wells: Riverview 21-3032H, 22-3031H, 23-3031H, 24-3031H, 25-3031H & 26-3031H wells. The facility will now be known as the Riverview 30 NWNW 1 PAD. The application is being submitted to register equipment associated with the construction of new production equipment associated with additional new wells being added to the existing oil gas production facility. The Facility is located on the Fort Berthold Indian Reservation in McKenzie County, North Dakota, and will extract oil and gas using horizontal drilling and hydraulic fracturing techniques. The latitude and longitude of the Facility location are 47.962444 N and -102.766917 W, (NAD 83) respectively.

The Facility may consist of well head(s), a heater-treater separator(s), emission control device, crude oil and produced water storage tanks, natural gas fired compressor engine, triethylene glycol dehydration unit, and truck loading station(s).

This registration application was prepared to meet the requirements of the U.S. Environmental Protection Agency (EPA) for new and modified minor sources located in Indian country and the requirements of the Oil and Natural Gas Federal Implementation Program (FIP) for Indian Country (40 CFR Part 49) issued June 3, 2016.

In accordance with the requirements of §49.160(c)(1)(iv) this application includes the Part 1 Registration Form, presented in Appendix A, and is being submitted at least 30 days prior to the commencement of construction.

## **2. Process Description**

Gas and liquids rise to the surface through the well head. The gas/liquid mixture enters a heater treater to separate the natural gas, crude oil, and produced water.

The crude oil and produced water will be temporarily stored in above ground storage tanks. Crude oil may be sent off-site via pipeline or hauled away by trucks. Produced water may be hauled away by truck for recycling and/or disposal. A control device may be used in the absence of a pipeline.

The compressor engine will be used to provide artificial gas lift for the existing wells located at the facility. The TEG dehydration unit will be used to dry fuel gas for the engine. The exact make/model/hp rating of the engine is yet to be determined as the engine will be supplied by a third party.

The Facility will be operational 8,760 hours/year.

A Plot Plan and Facility Flow Diagram are provided in Figures 1 and 2 respectively.

## **3. Equipment Description**

The Facility may consist of the equipment described below:

### **3.1 Separator/Heater Treater**

The Facility may contain heater treater(s)/separator(s) for separation of multi-phase streams into individual components of crude oil, natural gas and produced water.

### **3.2 Tanks**

The Facility may contain stable oil storage tanks and produced water storage tanks.

### **3.3 Control Device**

The Facility may use a control device to control emissions from tanks. The Facility may use a control device to control emissions from treater gas and flashing if a pipeline is not installed. The control device will have a control efficiency of 98 percent.

### **3.4 Component Count**

Component counts will be used to estimate fugitive emissions upon completion of construction.

### **3.5 Natural Gas Fired Compressor Engine**

The Facility may install a natural gas fired engine compressor to provide artificial gas lift for the wells on location.

### **3.6 TEG Dehydration Unit**

The Facility may install a TEG dehydration unit to dry fuel gas for the gas lift compressor engine.

## 4. Endangered Species Information

The Facility is located in McKenzie County, North Dakota. Measures have been taken to ensure that the project does not adversely impact species listed by the U.S. Fish and Wildlife Service (USFWS) as threatened or endangered that may be present within the project area. The database maintained by the USFWS (<http://www.fws.gov/endangered/>) was consulted to identify species listed as threatened and endangered that have been documented as being present in the County. For those species identified as occurring in the County, a qualitative evaluation of the potential for habitats within the project area to support each of the species identified was conducted. This evaluation included types of habitats present, relative sizes of the habitats, and connectivity to other habitats. Based on this evaluation, it is concluded that the project does not destroy or adversely modify critical habitat for the species identified as occurring in the County.

The above conclusion is based on information provided in the USFWS database and readily available information on the habitats and cover types within the project area. Additional data will be collected if it is determined that threatened and endangered species are present within the project area or are negatively impacted by the project.

List of the endangered species found in the McKenzie County is provided below:

Site Location (County): McKenzie

Group	Name	Status
Bird	Whooping crane ( <i>Grus americana</i> )	Endangered
Bird	Piping Plover ( <i>Charadrius melodus</i> )	Threatened
Bird	Least tern ( <i>Sterna antillarum</i> )	Endangered
Bird	Red knot ( <i>Calidris canutus rufa</i> )	Threatened
Fish	Pallid sturgeon ( <i>Scaphirhynchus albus</i> )	Endangered
Insect	Dakota Skipper ( <i>Hesperia dacotae</i> )	Threatened
Mammal	Northern Long-Eared Bat ( <i>Myotis septentrionalis</i> )	Endangered

## 5. National Historic Preservation Act Analysis

See Attached BLM Concurrence Letter.

## 6. Potentially Applicable Federal Regulations

The Oil and Natural Gas FIP for Indian Country requires owners/operators of new and modified existing sources in the oil and natural gas production and processing segments to comply with the eight Federal rules. A summary of these rules and the Facility's compliance status is presented in the table below.

Federal Standard	Title	Applicability	Comments
MACT Supart DDDDD	Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters	This subpart applies to industrial, commercial and institutional boilers and process heaters located at major sources of Hazardous Air Pollutants (HAP).	Not Applicable.  The Facility is not a major source of hazardous air pollutants.
MACT Subpart ZZZZ	Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	This subpart establishes national emission limitations and operating limitations for HAP emissions from stationary reciprocating internal combustion engines located at major and area sources of HAP emissions.	Applicable.
NSPS Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	This subpart applies to manufacturers, owners, and operators of stationary compression ignition internal combustion engines (ICE).	Not Applicable.  The Facility does not have any compression ignition engines on site

NSPS Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	This subpart applies to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) based on the date the engine was constructed.	Applicable.
NSPS Subpart Kb	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	This subpart applies to storage vessels for petroleum liquids which has a storage capacity greater than 420,000 gallons that were constructed after July 23, 1984 and are prior to custody transfer.	Not Applicable.  No applicable liquid storage vessels present at the site.
NSPS Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities	This subpart establishes emission standards and compliance schedules for control of volatile organic compounds (VOC) and methane emissions from affected facilities that commence construction, modification or reconstruction after September 18, 2015.	Applicable



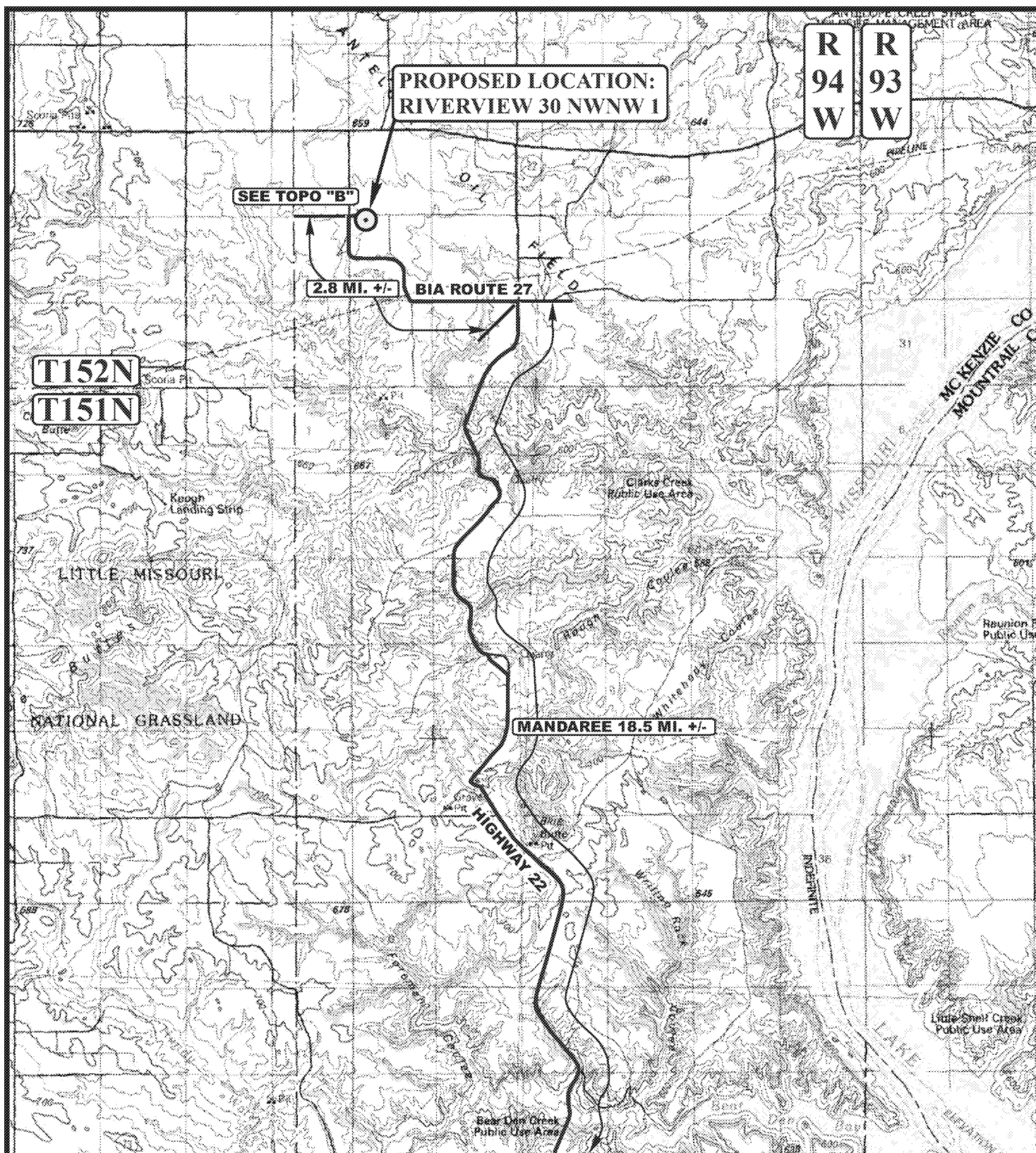
MACT Subpart HH	Nation Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities	This subpart applies to oil and gas production facilities located at area sources and major sources of HAP emissions. For area sources of HAP emissions, the rule applies to triethylene glycol (TEG) dehydration units for which controls are required at certain trigger levels.	Applicable.
NSPS Subpart KKKK	Standards of Performance for New Stationary Combustion Turbines.	This subpart applies to manufacturers, owners, and operators of turbines.	Not Applicable.  The Facility does not have any turbines on site.

## Figures

EOG RESOURCES, INC.  
RIVERVIEW 30 NWNW 1  
SECTION 30, T152N, R94W, 5<sup>th</sup> P.M.

PROCEED IN A WESTERLY DIRECTION FROM MANDAREE, NORTH DAKOTA ALONG BIA 12 APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND HIGHWAY 22 TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 17.2 MILES TO THE JUNCTION OF THIS ROAD AND BIA ROUTE 27 TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY, THEN NORTHERLY, THEN WESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY DIRECTION APPROXIMATELY 761' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MANDAREE, NORTH DAKOTA TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 21.4 MILES.



# **LEGEND:**

○ PROPOSED LOCATION



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



## **EOG RESOURCES, INC.**

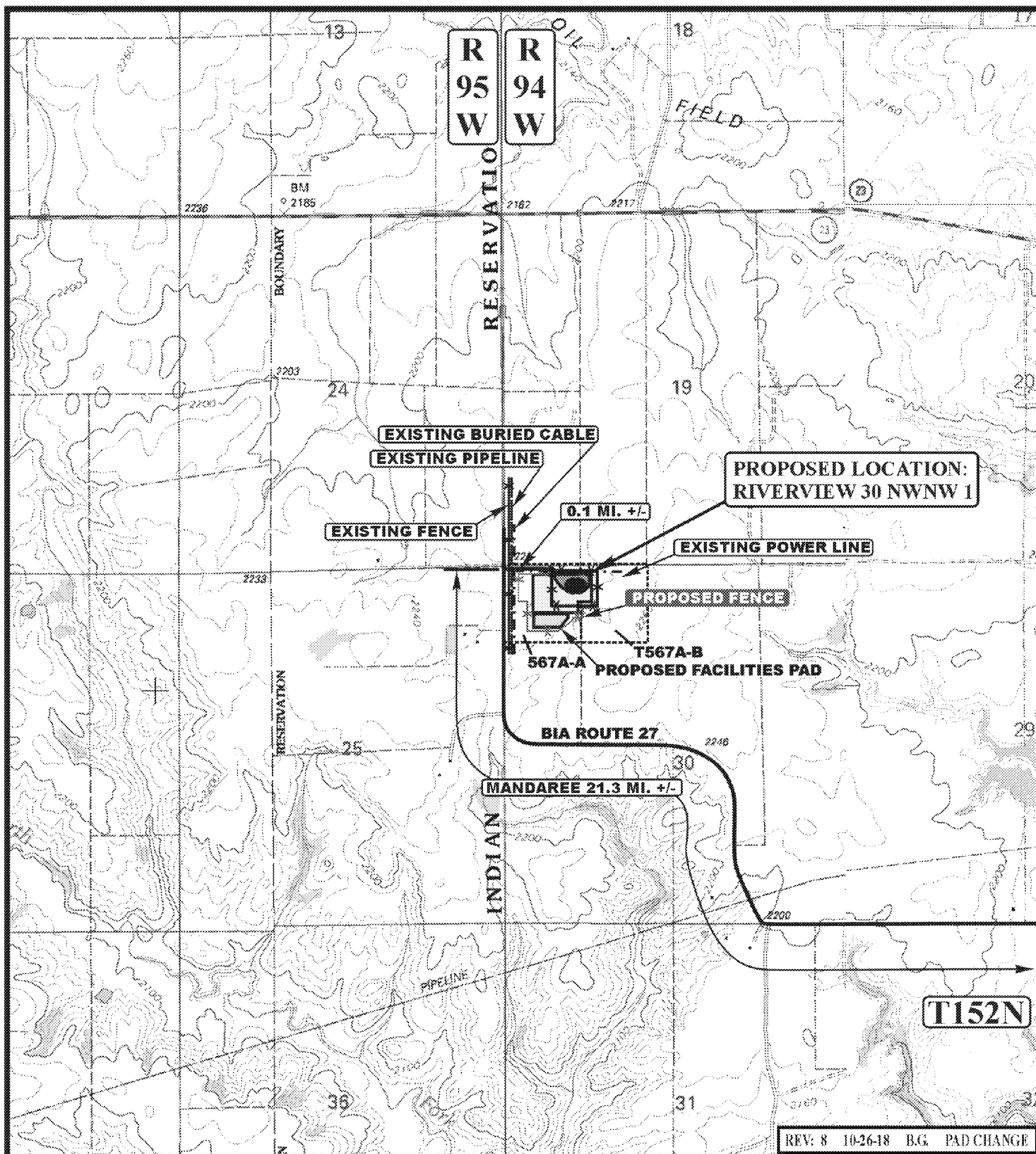
**RIVERVIEW 30 NWNW 1  
SECTION 30, T152N, R94W, 5th P.M.  
LOT 1**

**ACCESS ROAD  
MAP**

**11 | 19 | 10**  
MONTH | DAY | YEAR

**SCALE: 1:100,000 | DRAWN BY: Z.L. | REV: 02-10-15 C.D.L.**





REV: 8 10-26-18 B.G. PAD CHANGE

# **LEGEND:**

	EXISTING ROAD
	PROPOSED FENCE
	EXISTING FENCE
	EXISTING POWER LINE
	EXISTING PIPELINE

## **EOG RESOURCES, INC.**

**RIVerview 30 NWNW 1**  
**SECTION 30, T152N, R94W, 5th P.M.**  
**NW 1/4 NW 1/4**

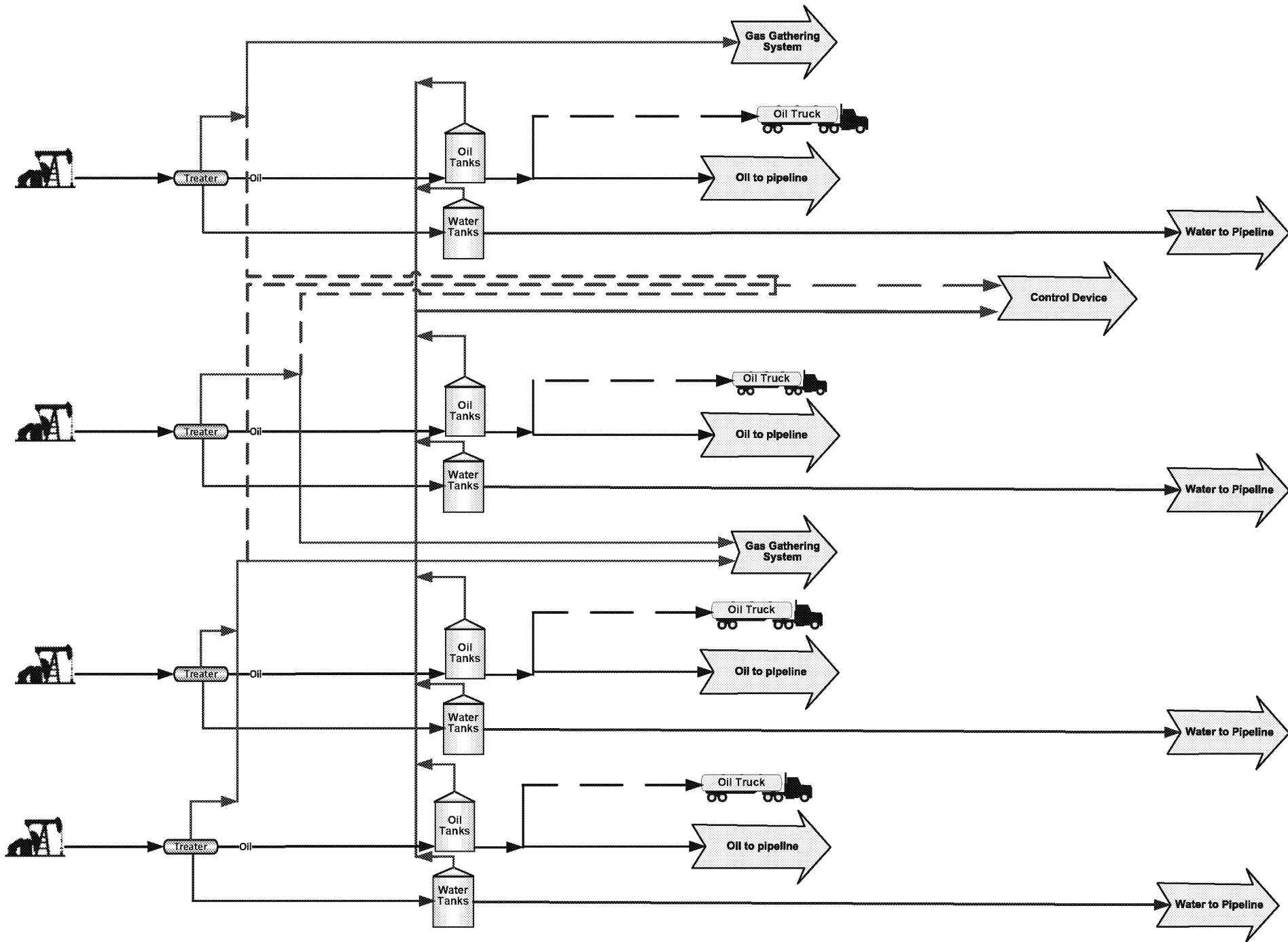


**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



ACCESS ROAD	11	19	10
MAP	MONTH	DAY	YEAR
SCALE: 1" = 2000'	DRAWN BY: Z.L.		





Dashed Lines Represent Secondary Option



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS  
Great Plains Regional Office  
115 Fourth Avenue S.E., Suite 400  
Aberdeen, South Dakota 57401

IN REPLY REFER TO:  
DESCRM  
MC-208

SEP 29 2015

## MEMORANDUM

TO: Superintendent, Fort Berthold Agency

FROM: Regional Director, Great Plains Region *Marilyn Bercier*

SUBJECT: Environmental Assessment and Finding of No Significant Impact

In compliance with the regulations of the National Environmental Policy Act (NEPA) of 1969, as amended, an Environmental Assessment (EA) as been completed and a Finding of No Significant Impact (FONSI) has been issued. The EA authorizes administrative approvals for the North Antelope Infill, located on the Fort Berthold Indian Reservation.

All the necessary requirements of the National Environmental Policy Act have been completed. Attached for your files is a copy of the EA, FONSI and Notice of Availability. The Council on Environmental Quality (CEQ) regulations require that there be a public notice of availability of the FONSI (40 C.F.R. Section 1506.6(b)). Please post the attached notice of availability at the Agency and Tribal buildings for 30 days.

If you have any questions, please call Marilyn Bercier, Regional Environmental Scientist, Division of Environment, Safety and Cultural Resources Management, at (605) 226-7656.

### Attachment

cc: Mark Fox, Chairman, Three Affiliated Tribes (with attachment)  
Elgin Crows Breast, Tribal Historic Preservation Officer (with attachment)  
Daniel Velder, Bureau of Land Management (with attachment)  
Eric Wortman, EPA (with attachment)  
Chad Baker, SWCA (with attachment)  
Carson Hood/Fred Fox, MHA Energy Dept. (with attachment)  
Jonathon Shelman, Corps of Engineers (e-mail)  
Jeff Hunt, Office of Indian Energy (e-mail)

***Finding of No Significant Impact***

**EOG Resources, Inc.  
Environmental Assessment for**

**North Antelope Infill  
Fort Berthold Indian Reservation  
McKenzie County, North Dakota**

The U.S. Bureau of Indian Affairs (BIA) has received a proposal to drill up to 81 horizontal oil and gas wells on one new well pad and six existing well pads located within the North Antelope (Infill wells) field on in allotted lands within the Fort Berthold Indian Reservation. Three of the existing well pads would be expanded to accommodate the proposed wells; no additional disturbance would be required for the remaining three existing well pads. The project area is located in McKenzie County, North Dakota, approximately 15 to 20 miles north of Mandaree, North Dakota. U.S. Highways 22 and 23 and BIA Route 27 provide access to the proposed access roads and well pads from Mandaree. The proposed well pad locations are summarized as follows:

<b>Well Pad Name</b>	<b>Surface Location</b>	<b>Proposed Wells</b>	
<b>Hawkeye 25 NENE 1</b> (No Expansion Required)	Section 25, Township (T) 152 North (N), Range (R) 95 West (W)	Hawkeye 131-2536H Hawkeye 132-2536H Hawkeye 133-2536H Hawkeye 134-2536H	Hawkeye 123-2536H Hawkeye 124-2536H Hawkeye 125-2536H
<b>Hawkeye 25 NENW 1</b> (No Expansion Required)	Section 25, T152N, R95W	Hawkeye 5-2536H Hawkeye 135-2536H Hawkeye 136-2536H Hawkeye 137-2536H Hawkeye 138-2536H	Hawkeye 139-2536H Hawkeye 119-2536H Hawkeye 120-2536H Hawkeye 121-2536H Hawkeye 122-2536H
<b>Hawkeye 24 SESE 1</b> No Expansion Required)	Section 24, T152N, R95W	Hawkeye 126-2413H Hawkeye 128-2413H Hawkeye 130-2413H	Hawkeye 127-2413H Hawkeye 129-2413H
<b>Riverview 30 NWNW 1</b> (Expansion Required)	Section 30, T152N, R94W	Riverview 128-3031H Riverview 129-3031H Riverview 130-3031H Riverview 131-3031H Riverview 132-3031H Riverview 127-3031H	Riverview 20-3031H Riverview 21-3031H Riverview 22-3031H Riverview 23-3031H Riverview 24-3031H Riverview 25-3031H Riverview 26-3031H
<b>Riverview 31 SWSE 1</b> (Expansion Required)	Section 31, T152N, R94W	Riverview 7-3130H Riverview 125-3130H Riverview 124-3130H Riverview 123-3130H Riverview 122-3130H Riverview 121-3130H Riverview 126-3130H	Riverview 19-3130H Riverview 18-3130H Riverview 17-3130H Riverview 16-3130H Riverview 15-3130H Riverview 14-3130H Riverview 13-3130H



Well Pad Name	Surface Location	Proposed Wells	
<b>Clarks Creek 8 SESE 2</b> (Proposed New)	Section 8, T151N, R94W	Clarks Creek 43-0805H	Clarks Creek 134-0805H
		Clarks Creek 42-0805H	Clarks Creek 133-0805H
		Clarks Creek 41-0805H	Clarks Creek 132-0805H
		Clarks Creek 40-0805H	Clarks Creek 131-0805H
		Clarks Creek 39-0805H	Clarks Creek 130-0805H
		Clarks Creek 38-0805H	Clarks Creek 129-0805H
		Clarks Creek 37-0805H	Clarks Creek 117-0805H
		Clarks Creek 36-0805H	Clarks Creek 116-0805H
		Clarks Creek 23-0805H	Clarks Creek 115-0805H
<b>Clarks Creek 8 SWSW 1</b> (Expansion Required)	Section 8, T151N, R94W	Clarks Creek 124-0805H	Clarks Creek 31-0805H
		Clarks Creek 123-0805H	Clarks Creek 30-0805H
		Clarks Creek 122-0805H	Clarks Creek 29-0805H
		Clarks Creek 121-0805H	Clarks Creek 28-0805H
		Clarks Creek 120-0805H	Clarks Creek 27-0805H
		Clarks Creek 119-0805H	Clarks Creek 26-0805H
		Clarks Creek 118-0805H	Clarks Creek 25-0805H


Associated federal actions by BIA include determinations of effect regarding environmental resources and positive recommendations to the Bureau of Land Management regarding the Applications for Permit to Drill.

The potential of the proposed action to impact the human environment is analyzed in the following Environmental Assessment (EA), as required by the National Environmental Policy Act. Based on the EA, I have determined that the proposed project will not significantly affect the quality of the human or natural environment. No Environmental Impact Statement is required for any portion of the proposed activities.

This determination is based on the following factors:

1. Agency and public involvement solicited for the preceding NEPA document was sufficient to ascertain potential environmental concerns associated with the currently proposed project.
2. Protective and prudent measures were designed to minimize impacts to air, water, soil, vegetation, wetlands, wildlife, public safety, water resources, and cultural resources. The remaining potential for impacts was disclosed for both the proposed action and the No Action alternatives.
3. Guidance from the U.S. Fish and Wildlife Service has been fully considered regarding wildlife impacts, particularly in regard to threatened or endangered species. This guidance includes the Migratory Bird Treaty Act (16 U.S.C. 703 et seq.) (MBTA), the National Environmental Policy Act of 1969, as amended (42 U.S.C. 4321 et seq.) (NEPA), the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d, 54 Stat. 250) (BGEPA), Executive Order 13186 "Responsibilities of Federal Agencies to Protect Migratory Birds", and the Endangered Species Act (16 U.S.C. 1531 et seq.) (ESA).
4. The proposed action is designed to avoid adverse effects to historic, archaeological, cultural and traditional properties, sites and practices. Compliance with the procedures of the National Historic Preservation Act is complete.
5. Environmental justice was fully considered.
6. Cumulative effects to the environment are either mitigated or minimal.
7. No regulatory requirements have been waived or require compensatory mitigation measures.
8. The proposed project will improve the socio-economic condition of the affected Indian community.

  
 Mary Jo Berne  
 Regional Director

  
 9/29/15  
 Date

# **Notice of Availability**

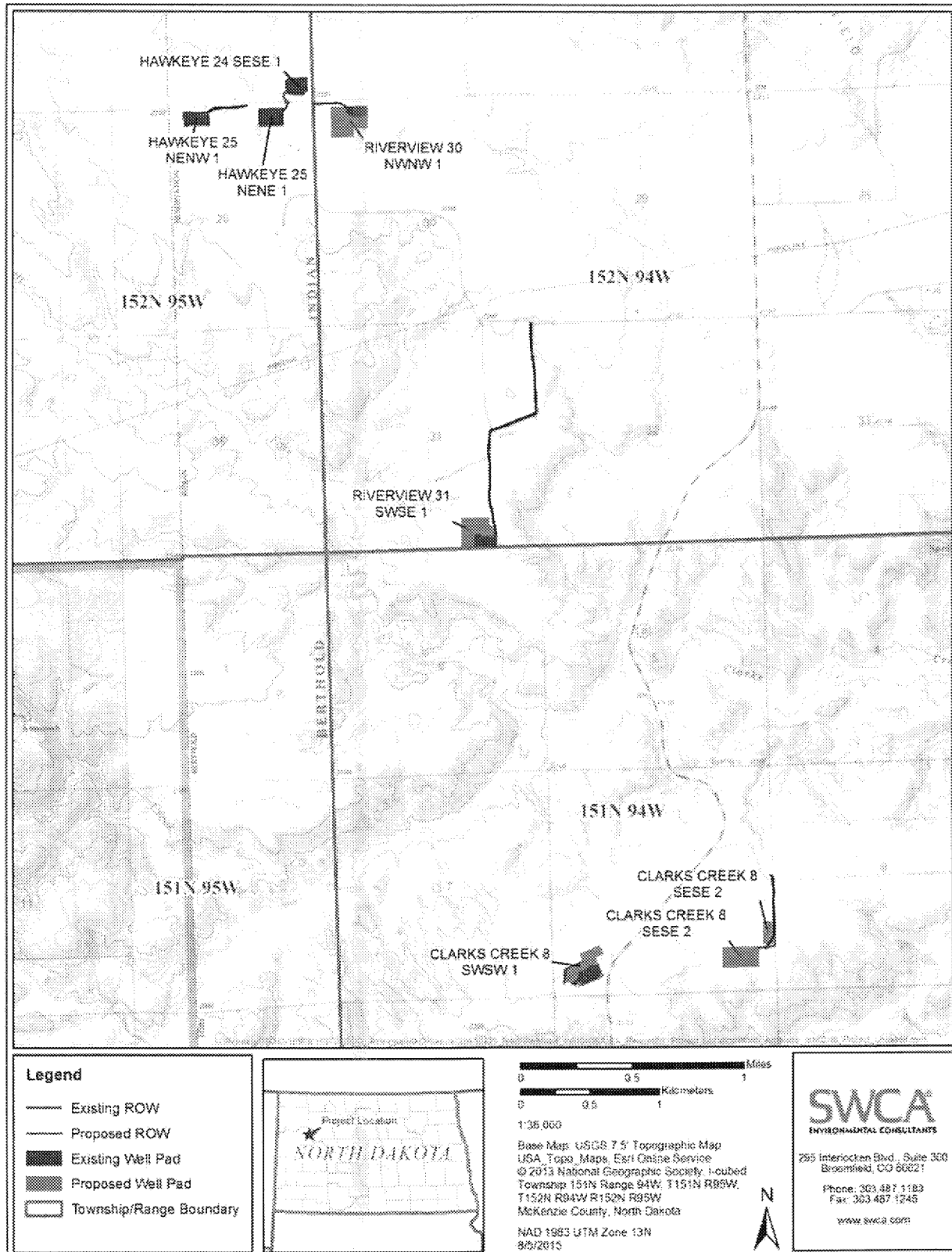
EOG Resources, Inc.: North Antelope Infill

**The Bureau of Indian Affairs (BIA) is planning to issue administrative approvals related to the North Antelope Infill located on the Berthold Reservation as shown on the attached map. Construction by EOG is expected to begin in 2015.**

**An environmental assessment (EA) determined that proposed activities will not cause significant impacts to the human environment. An environmental impact statement is not required. Contact the Agency Superintendent at 701-627-6570 for more information and/or copies of the EA and the Finding of No Significant Impact (FONSI).**

**The FONSI is only a finding on environmental impacts – it is not a decision to proceed with an action and *cannot* be appealed.**

Project locations.



## North Dakota Negative Results Cultural Resource Report

<b><i>Date of Report:</i></b>	December 23, 2010
<b><i>Project Name/Report Title:</i></b>	A Class I and Class III Cultural Resource Inventory of the Riverview #04-3031H and Riverview #100-3031H Well Pad and Access Road, McKenzie County, North Dakota
<b><i>Project Proponent/Sponsor:</i></b>	EOG Resources, Inc., 600 Seventeenth Street, Suite 1100N Denver, Colorado 80202
<b><i>Lead Agency:</i></b>	Bureau of Indian Affairs (BIA), Great Plains Regional Office
<b><i>SWCA Project Number:</i></b>	15670
<b><i>Principal Investigator:</i></b>	Judith Cooper
<b><i>Author of Report:</i></b>	Nancy Eisenhower
<b><i>Persons Performing Fieldwork:</i></b>	Jolene Schleicher, Nicholas Smith, and Chandler Herson, SWCA Environmental Consultants (SWCA). Mitchell Fox and Sheldon Knight, Three Affiliated Tribes Tribal Historic Preservation Office.
<b><i>Date of Fieldwork:</i></b>	November 1, 2010
<b><i>Acres/Area Inventoried:</i></b>	Riverview #04-3031H and Riverview #100-3031H Well Pad and Access Road
	<i>Total Acres Inventoried</i> 13.42 acres
	<i>Well Pad Survey Acres</i> 10.00 acres
	<i>Access Road Length</i> 231.81 feet
	<i>Access Road Survey Acres</i> 3.42 acres
<b><i>Legal Locations:</i></b>	NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> Section 30 Township (T) 152 North (N) Range (R) 94 West (W); McKenzie County, North Dakota
<b><i>ND Prehistoric Study Unit:</i></b>	Garrison Study Unit
<b><i>ND Historic Study Unit:</i></b>	Historic 21

***Location Descriptions***

The proposed EOG Resources (EOG) Riverview #04-3031H and Riverview #100-3031H well pad and access road project is located within the boundaries of the Fort Berthold Indian Reservation in McKenzie County, North Dakota. The project area is approximately 8.5 miles northeast of the town of Keene and 0.25 mile east of north/south-trending BIA Route 27. The proposed well pad is located in an open agricultural field. The proposed access road follows an existing east/west-running unimproved road, parallel to and south of the section line; this runs from the northwest corner of the well pad west to BIA Route 27. The pad is bounded on the north side by the existing unimproved dirt road.

***Project Description***

SWCA conducted a Class I and Class III cultural resource inventory on behalf of EOG. The proposed project will include the development of two wells (Riverview #04-3031H and Riverview #100-3031H) within a single 5.83-acre well pad. Disturbance related to construction of the associated access road will include mechanical excavation, grading, and gravelling. The 231.81-foot-long proposed access road will extend west from the northwest corner of the proposed well pad, along an existing unimproved road, and will tie into north/south-trending BIA Route 27. Acreage surveyed includes 10.00 acres for the well pad and 3.42 acres for the access road. In total, 13.42 acres were inventoried for the project.

***Files/Records Search Results***

A Class I cultural resource file search was conducted for the project location and surrounding one-mile study area on October 29, 2010, of files maintained at the State Historical Society of North Dakota. Eight previous cultural resource inventories have been performed within 1 mile of the project area between 1980 and 2006 (Table 1). Four previously recorded cultural resources were identified within 1 mile of the project area (Table 2), including three prehistoric stone circle sites, which remain unevaluated regarding their National Register of Historic Places (NRHP) eligibility, and one prehistoric/historic cultural material scatter recommended not eligible for the NRHP. No previously recorded cultural resources are located within the project area.

***Table 1. Previous Cultural Resource Inventories Identified in Files/Records Search***

<b>Location</b>	<b>Manuscript Number</b>	<b>Title</b>	<b>Authors</b>	<b>Year</b>
Section 19 T152N, R94W	002267	Class III Intensive Inventory of all Cultural Resources of the Antelope Tribal #19-31 Location, Restake, McKenzie County, North Dakota	MacDonald, L.	1980
Section 19 T152N, R94W	003772	South Antelope Tribal #19-1 Well Location and Access Survey, UW #66, McKenzie County, North Dakota	Simon, A., and L. Loendorf	1980
Section 25 T152N, R95W	004300	A Cultural Resource Inventory of Sonics Exploration Seismic Lines on the Fort Berthold Indian Reservation, McKenzie Counties, ND	Bilkre, L.	1987

Section 31 T152N, R94W	004698	The Long and Winding Road: A Cultural Resources Inventory of Three Road Projects, Ft. Berthold Agency, Dunn and McKenzie Counties, North Dakota	Banks, K.	1988
Section 31 T152N, R94W	005040	Low Rent Rendezvous: A Cultural Resources Inventory of 67 Mutual Self-help Homesites, Ft. Berthold Agency, Dunn, McKenzie, McLean, Mercer, and Mountrail Counties, North Dakota	Melton, D.	1989
Section 30 T152N, R94W	005778	I'll Huff and I'll Puff and HUD Will Blow These Houses Down: A Cultural Resources Inventory of 27 Mutual Self-help Homesites, Ft. Berthold Agency, Dunn, McKenzie, McClean, Mercer, and Mountrail Counties, North Dakota	Banks, K.	1988
Section 24 T152N, R95W	007675	Cenex Pipeline Relocation Project P-358, A Class III Cultural Resource Inventory, McKenzie and Mountrail Counties, North Dakota	Olson, B.	2000
Section 13 T152N, R95W	009712	Four Bears North Segment: A Class III Cultural Resources Inventory of Six Plus Miles in McKenzie County, North Dakota	Stine, E.	2006
Section 32 T152N, R94W	Pending (Submitted to BIA; not yet on file with SHPO)	A Class III Cultural Resource Inventory of the Riverview 1-32H Well Pad and Access Road on the Fort Berthold Indian Reservation, McKenzie County, North Dakota	Higgins, C.	2009

***Table 2. Previously Recorded Sites Identified in Files/Records Search***

<b>Site Number</b>	<b>Location</b>	<b>Cultural Affiliation</b>	<b>Site Type(s)</b>	<b>NRHP Eligibility</b>
32MZ1608	NE¼ NW¼ SW¼, Section 30, T152N, R94W	Unknown Prehistoric	Stone Circle	Unevaluated
32MZ1014	NE¼ NE¼ SW¼, Section 30, T152N, R94W	Unknown Prehistoric	Stone Circle	Unevaluated
32MZ939	SW¼, SE¼ and NW¼, NW¼, NE¼ Sections 30 and 31, T152N, R94W	Unknown Prehistoric	Stone Circle	Unevaluated
32MZX352	SE¼ SE¼ NW¼, Section 30, T152N, R94W	Unknown Prehistoric/ Historic	Cultural Material Scatter and Dump	Not Eligible

NRHP = National Register of Historic Places

### ***Field Methods and Survey Conditions***

A Class III cultural resource inventory was conducted at the proposed EOG Riverview #04-3031H and Riverview #100-3031H well pad and access road on November 1, 2010, by SWCA. Fieldwork was conducted by SWCA Archaeologists Jolene Schleicher, Nicholas Smith, and Chandler Herson under the direction of Judith Cooper, Principal Investigator. Mitchell Fox and Sheldon Knight, monitors with the Three Affiliated Tribes Tribal Historic Preservation Office, were also present during the survey. The inventory of the well pad and access road was conducted by means of pedestrian transects spaced no more than 30 meters apart. The project area is located within a cultivated field and bare ground surface visibility was 20 percent at the time of survey. Brown silty clay soils dominate the survey area. No subsurface testing was conducted. The project area has been heavily disturbed by agricultural activities.

Photographs were taken of the access road route and the well pad location, and global positioning system (GPS) tracks and points were collected for the road and well pad location. Notes were taken during the inventory, and all photographs, GPS and geographic information systems data, and notes are on file at SWCA's Bismarck office. A map of the inventoried well pad location and access road route is attached, as are photographs of the project area.

In aggregate total, 13.42 acres were inventoried by SWCA for the proposed project, including 10.00 acres for the proposed well pad and 3.42 acres for the proposed 231.81-foot-long access road (200-foot-wide survey corridor).

### ***Results and Recommendations***

No cultural resources were observed during the course of the inventory. It is recommended that the project be granted a determination of *No Historic Properties Affected* and that it be granted clearance to proceed as planned.



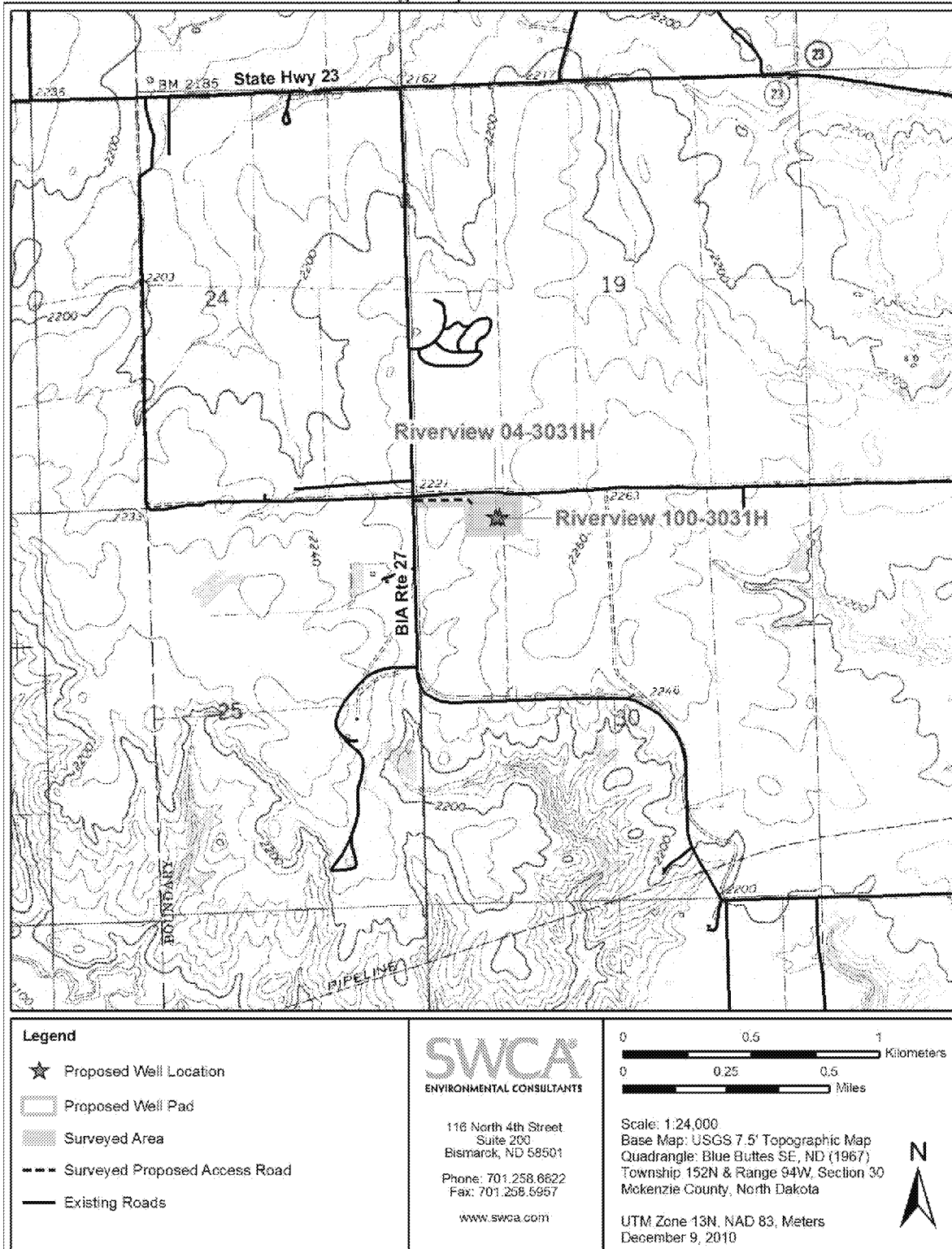
- Overview of the well pad location.
- Facing southwest.
- Photographed by N. Smith.
- Photo taken November 1, 2010.
- Image has not been altered.



- Overview of the access road.
- Facing west.
- Photographed by N. Smith.
- Photo taken November 11, 2010.
- Image has not been altered.



Contains Privileged Information -- Do Not Release



# Procedures to Address Threatened and Endangered Species and Historic Properties for the Federal Implementation Plan for True Minor Sources in Indian Country in the Oil and Natural Gas Production and Natural Gas Processing Segments of the Oil and Natural Gas Sector

## Section 1: Contact Information

Business name: EOG Resources, Inc.	Site address: NW1/4NW1/4 Sec. 32, T152N, R94W Lat/Long: 47.962444 / -102.766917
Send all correspondence regarding this evaluation to (mailing address):  600 17 <sup>th</sup> Street, Suite 1000N Denver, CO 80202	Contact for this notification: Name: Mathew Oliver Phone: 303-262-9915 Email: <a href="mailto:mathew_oliver@eogresources.com">mathew_oliver@eogresources.com</a>

## Section 2: Evaluation of Threatened and Endangered Species and Historic Properties

### 1. Threatened or Endangered Species

Please indicate under which criterion in Appendix A you satisfy after evaluating the effects on threatened or endangered species as a result of your construction, modification or operation of your new or modified minor source of air pollutants. Be sure to include all documentation identified in Appendix A with this evaluation.

☐ A ☐ B ☐ C ☒ D ☐ E

### 2. Historic Properties

Please indicate under which criterion in Appendix B you satisfy after evaluating the effects to historic properties as a result of your construction, modification or operation of your new or modified minor source of air pollutants? Be sure to include all documentation identified in Appendix B with this evaluation.

☒ No historic properties affected ☐ No adverse effects ☐ Adverse effects

## Section 3: Signature

Name: _____ (Signature)	Name: <u>Mathew Oliver</u> (Print or Type)
Title: <u>Environmental Manager</u>	Date: _____

# **Appendix A**

## **EPA Application Forms**



## United States Environmental Protection Agency

<https://www.epa.gov/tribal-air/tribal-minor-new-source-review>

January 4, 2017

### Part 1: Submit 30 Days Prior to Beginning Construction -- General Facility Information

#### FEDERAL IMPLEMENTATION PLAN FOR TRUE MINOR SOURCES IN INDIAN COUNTRY IN THE OIL AND NATURAL GAS PRODUCTION AND NATURAL GAS PROCESSING SEGMENTS OF THE OIL AND NATURAL GAS SECTOR

#### Registration for New True Minor Oil and Natural Gas Sources and Minor Modifications at Existing True Minor Oil and Natural Gas Sources

Please submit information to:

[Reviewing Authority  
Address  
Phone]

Environmental Protection Agency  
U.S. EPA, Region 8  
1595 Wynkoop Street, 8P-AR  
Denver, Colorado 80202-1129

#### A. GENERAL SOURCE INFORMATION (See Instructions Below)

1. Company Name <b>EOG Resources, Inc</b>		2. Source Name <b>Riverview 30 NWNW 1 PAD</b>	
3. Type of Oil and Natural Gas Operation  Oil & Gas Well Site		4. New Minor Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		5. Minor Source Modification? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
6. NAICS Code <b>211111</b>		7. SIC Code <b>1311</b>	
8. U.S. Well ID(s) or API Number(s) [if applicable] 3305303932, 3305303931, 3305307208, 3305307207, 3305307206, 3305307205, 3305307204, 3305307203			
9. Area of Indian Country <b>Fort Berthold</b>	10. County <b>McKenzie</b>	11a. Latitude 47.962444 (NAD 83)	11b. Longitude -102.766917 (NAD 83)

**B. CONTACT INFORMATION (See Instructions Below)**

<b>1. Owner Name</b> Mathew Oliver	Title Environmental Manager
Mailing Address 600 17th Street, Suite 1000N Denver, CO 80202	
Email Address mathew_oliver@eogresources.com	
Telephone Number 303-262-9915	Facsimile Number
<b>2. Operator Name</b> (if different from owner)	Title
Mailing Address	
Email Address	
Telephone Number	Facsimile Number
<b>3. Source Contact</b> Mathew Oliver (see owner info above)	Title
Mailing Address	
Email Address	
Telephone Number	Facsimile Number

<b>4. Compliance Contact</b> <b>Mathew Oliver</b>	<b>Title</b> <b>Environmental Manager</b>
<b>Mailing Address</b> <b>600 17th Street, Suite 1000N Denver, CO 80202</b>	
<b>Email Address</b> <b>mathew_oliver@eogresources.com</b>	
<b>Telephone Number</b> <b>303-262-9915</b>	<b>Facsimile Number</b>

### C. ATTACHMENTS

Include all of the following information as attachments to this form:

- ☒ Narrative description of the operations.
- ☒ Identification and description of all emission units and air pollution generating activities (with the exception of the exempt emissions units and activities listed in §49.153(c).
- ☒ Identification and description of any air pollution control equipment and compliance monitoring devices or activities that are expected to be used at the facility.
- ☒ Estimated operating schedules.
- ☒ If satisfying the requirements under §49.104(a)(1), documentation that another federal agency has complied with its requirements under the Endangered Species Act (ESA) and the National Historic Preservation Act (NHPA) when authorizing the activities for the facility/activity covered under this registration. The appropriate documents shall clearly show that the other federal agency had met its obligations under both the ESA and NHPA. A simple reference to a Record of Decision or other final decision document will not be acceptable. Examples of acceptable documentation would be a letter from the U.S. Fish and Wildlife Service field office (for ESA) or a historic preservation office (for NHPA) stating they agree with the assessment conducted by the other federal agency for the subject project and that the requirements of those statutes have been met. The documentation shall be submitted within the Part 1 registration.
- ☒ If satisfying the requirements under §49.104(a)(2), the letter provided by the Reviewing Authority indicating satisfactory completion of the specified screening procedures to address threatened or endangered species and historic properties. The documentation shall be submitted under the Part 1 registration. (The procedures are contained in the following document: "Procedures to Address Threatened or Endangered Species and Historic Properties for the Federal Implementation Plan for True Minor Sources in Indian Country in the Oil and Natural Gas Production and Natural Gas Processing Segments of the Oil and Natural Gas Sector," <https://www.epa.gov/tribal-air/tribal-minor-new-source-review>).
- ☐ Other.

## Instructions for Part 1

Please answer all questions. If the item does not apply to the source and its operations write "n/a". If the answer is not known write "unknown".

### A. General Source Information

1. Company Name: Provide the complete company name. For corporations, include divisions or subsidiary name, if any.
2. Source Name: Provide the source name. Please note that a source is a site, place, or location that may contain one or more air pollution emitting units.
3. Type of Operation: Indicate the generally accepted name for the oil and natural gas production or natural gas processing segment operation (e.g., oil and gas well site, tank battery, compressor station, natural gas processing plant).
4. New True Minor Source: [Per Federal Indian Country Minor New Source Review Rule, 40 CFR 49.153].
5. True Minor Source Modification: [Per Federal Indian Country Minor New Source Review Rule, 40 CFR 49.153].
6. North American Industry Classification System (NAICS): The NAICS Code for your oil and natural gas source can be found at the following link for North American Industry Classification System:  
<http://www.census.gov/eos/www/naics/>.
7. Standard Industrial Classification Code (SIC Code): Although the new NAICS code has replaced the SIC codes, much of the Clean Air Act permitting processes continue to use these codes. The SIC Code for your oil and natural gas source can be found at the following link for Standard Industrial Classification Codes:  
[http://www.osha.gov/pls/imis/sic\\_manual.html](http://www.osha.gov/pls/imis/sic_manual.html).
8. U.S. Well ID or API Number: Unique well identifier as assigned by the Federal or State oil and gas regulatory agency with primacy, using the American Petroleum Institute (API) Standard for number format (pre-2014) or the Professional Petroleum Data Management (PPDM) Association US Well Number Standard (2014-present). Provide IDs for all oil and natural gas production wells associated with the facility, if applicable. May not be applicable for downstream production sources, such as compressor stations.
9. Area of Indian Country: Provide the name of the Indian reservation within which the source is operating.
10. County: Provide the County within which the source is operating.
11. Latitude & Longitude (11a. and 11b.): Provide latitude and longitude location(s) in decimal degrees, indicating the datum used in parentheses. These are GPS (global positioning system) coordinates. This information should be provided in decimal degrees with 6 digits to the right of the decimal point, indicating the datum used in parentheses (i.e., NAD 27, NAD 83, WGS 84 – WGS 84 is preferred over NAD 27).

### B. Contact Information

Please provide the information requested in full.

1. Owners: List the full name (last, middle initial, first) of all owners of the source.
2. Operator: Provide the name of the operator of the source if it is different from the owner(s).
3. Source Contact: The source contact must be the local contact authorized to receive requests for data and information.
4. Compliance Contact: The compliance contact must be the local contact responsible for the source's compliance with this rule. If this is the same as the Source Contact please note this on the form.

**C. Attachments**

The information requested in the attachments will enable the U.S. Environmental Protection Agency (EPA) to understand the type of oil and natural gas source being registered.

**Disclaimers:**

The public reporting and recordkeeping burden for this collection of information is estimated to average 6 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Information in these forms submitted in compliance with the final Federal Indian Country Minor New Source Review rule may be claimed as confidential. A company may assert a claim of confidentiality for information submitted by clearly marking that information as confidential. Such information shall be treated in accordance with EPA's procedures for information claimed as confidential at 40 CFR part 2, subpart B, and will only be disclosed by the means set forth in the subpart. If no claim of confidentiality accompanies the report when it is received by EPA, it may be made public without further notice to the company (40 CFR 2.203).